

Infoprint Color 1454 & 1464



Setup Guide

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Setup Guide

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Federal Communications Commission (FCC) compliance information statement

This printer complies with the limits for a Class B digital device (without a network cable or high-capacity output finisher installed) and for a Class A digital device (with a network cable or high-capacity output finisher installed), pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions:


- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any questions on this statement should be directed to:

Director of Lexmark Technology & Services
Lexmark International, Inc.
740 West New Circle Road
Lexington, KY 40550
(859) 232-3000

Refer to the online documentation for additional compliance information.

Safety information

- If your product is *not* marked with this symbol , it *must* be connected to an electrical outlet that is properly grounded.
CAUTION: Do not set up this product or make any electrical or cabling connections, such as the power cord or telephone, during a lightning storm.
- The power cord must be connected to an electrical outlet that is near the product and easily accessible.
- Refer service or repairs, other than those described in the operating instructions, to a professional service person.
- This product is designed, tested, and approved to meet strict global safety standards with the use of specific Lexmark components. The safety features of some parts may not always be obvious. Lexmark is not responsible for the use of other replacement parts.
- Your product uses a laser.
CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- Your product uses a printing process that heats the print media, and the heat may cause the media to release emissions. You must understand the section in your operating instructions that discusses the guidelines for selecting print media to avoid the possibility of harmful emissions.

Conventions

Note: A note identifies something that could help you.

CAUTION: A caution identifies something that could cause you harm.

Warning: A warning identifies something that could damage your product hardware or software.

Static sensitivity notice



Warning: This symbol identifies static-sensitive parts. Do not touch in the areas near these symbols without first touching the metal frame of the printer.

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Step 1: Choose your setup (local or network printer)

Local printer

A local printer is a printer attached to your computer using a USB or parallel cable. The local printer is intended to be used by the computer to which it is attached. If you are attaching a local printer, you must install the printer driver on your computer before setting up your printer.

Continue with Step 2: “Install drivers for local printing” on page 7.

Network printer

A network printer is a printer attached to a network either by a network cable (such as Ethernet) or through the use of a server. If you are attaching a network printer, you must set up your printer on the network first, and then install the printer driver.

Continue with Step 3: “Unpack the printer” on page 9.

Step 2: Install drivers for local printing

The printer driver is software that lets your computer communicate with your printer.

The procedure to install drivers depends on the operating system you are using. Use the following table to find driver installation instructions for your particular operating system. If you need additional help, refer to the documentation that shipped with your computer and your software.

Operating system	Go to page...
Windows	
Windows Server 2003, Windows 2000, Windows XP, Windows 98 SE, Windows Me, Windows NT 4.x	7
Windows 95 and Windows 98 (first edition)	8
Serial printing	8
Macintosh	8
UNIX/Linux	9

Windows

Note: Installing a custom driver will not replace the system driver. A separate printer object will be created and appear in the Printers folder.

Using Windows Server 2003, Windows 2000, Windows XP, Windows 98 SE, Windows Me, and Windows NT

Note: USB support is not available for Windows NT operating systems.

Some Windows operating systems may already include a printer driver that is compatible with your printer. This may mean that installation will seem automatic in later versions of Windows. System printer drivers work well for simple printing, but they contain less functionality than our enhanced custom printer driver.

Use the drivers CD that shipped with your printer to install the custom printer driver and obtain all the enhanced printer features and functionality.

- 1 Insert the drivers CD.
If the CD does not auto launch, click **Start → Run**, and then type **D:\Setup.exe** in the Run dialog box.
- 2 Click **Install Software**.

Note: Some Windows operating systems require that you have administrative access to install printer drivers on your computer.

- 3** Click **Printer and Software**.
- 4** Click **Agree** to accept the license agreement.
- 5** Select **Suggested**, and then click **Next**.

The Suggested option is the default installation for local and network-attached setup. If you need to install utilities, change settings, or customize device drivers, select **Custom**, and follow the instructions on your screen.

- 6** Select **Local Attached**, and then click **Finish**.
It may take some time for the drivers to load.
- 7** Close the drivers CD.
- 8** Go to “Unpack the printer” on page 9.

Using Windows 95 and Windows 98 (first edition)

Refer to the *User's Guide* on the publications CD for information to install Windows 95 and Windows 98 (first edition) drivers.

Serial printing

For information about serial printing, refer to the *User's Guide* on the publications CD.

Macintosh

Refer to the *User's Guide* on the publications CD for information to install Macintosh drivers and to create a desktop printer icon for Macintosh 8.6–9.x.

Creating a queue in Print Center (Macintosh OS X)

Note: A PPD file provides detailed information about the capabilities of a printer to your Macintosh computer.

- 1** Install a printer PostScript Printer Description (PPD) file on your computer.
 - a** Insert the drivers CD.
 - b** Double-click the installer package for your printer.
 - c** Click **Continue** on the Welcome screen and again after you view the Readme file.
 - d** Click **Continue** after you view the license agreement, and then click **Agree** to accept the terms of the agreement.
 - e** Select a Destination, and then click **Continue**.
 - f** Enter your password, and then click **OK**.
 - g** On the Easy Install screen, click **Install**. All the necessary software is installed on your computer.
 - h** Click **Close** when installation is complete.
- 2** Open Finder, click **Applications**, and then click **Utilities**.
- 3** Double-click **Print Center** or **Printer Setup Utility**.
- 4** Do one of the following:

If your USB-attached printer appears in the Printer List, you can quit Print Center or Printer Setup Utility. A queue has been created for your printer.

If your USB-attached printer does not appear in the Printer List, make sure the USB cable is properly connected and the printer is turned on. After the printer appears in the Printer List, you can quit Print Center or Printer Setup Utility.
- 5** After you have installed the drivers on your computer, you are ready to set up the printer. Go to “Unpack the printer” on page 9.

UNIX/Linux

Note: If your drivers CD does not contain any UNIX/Linux printer driver packages, contact the place you purchased your printer to see if your printer is supported.

Local printing is supported on many UNIX and Linux platforms, such as Sun Solaris and Red Hat.

Some printer driver packages are available on the drivers CD. The *User's Guide* in each package gives detailed instructions for installing and using printers in UNIX and Linux environments.

All the printer driver packages support local printing using a parallel connection. The driver package for Sun Solaris supports USB connections to Sun Ray appliances and Sun workstations.

After you have installed the drivers on your computer, you are ready to set up the printer. Go to “Unpack the printer” on page 9.

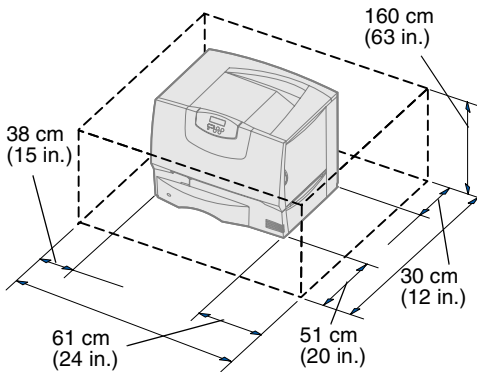
Step 3: Unpack the printer

Setting up a multifunction printer

If you purchased a multifunction printer (MFP) that copies, faxes, and scans, refer to the documentation that came with the device to see if furniture or other hardware needs to be set up first.

Unpacking

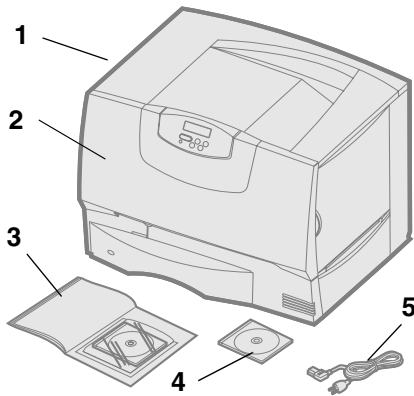
CAUTION: The printer weighs 47.7 kg (105 lb) and requires at least two people to lift it safely.



1 Select a location for your printer:

- Leave enough room to open the printer trays, covers, and doors; access options; and allow for proper ventilation.
- Provide the proper environment:
 - A firm, level surface
 - Away from the direct airflow of air conditioners, heaters, or ventilators
 - Free of temperature, sunlight, or humidity extremes or fluctuations
 - Clean, dry, and free of dust

Note: Leave the printer in the box until you are ready to install it, then have someone help you lift it using the handholds (see “Positioning the printer” on page 13).



2 Remove all items *except the printer* from the box.

Make sure you have the following items:

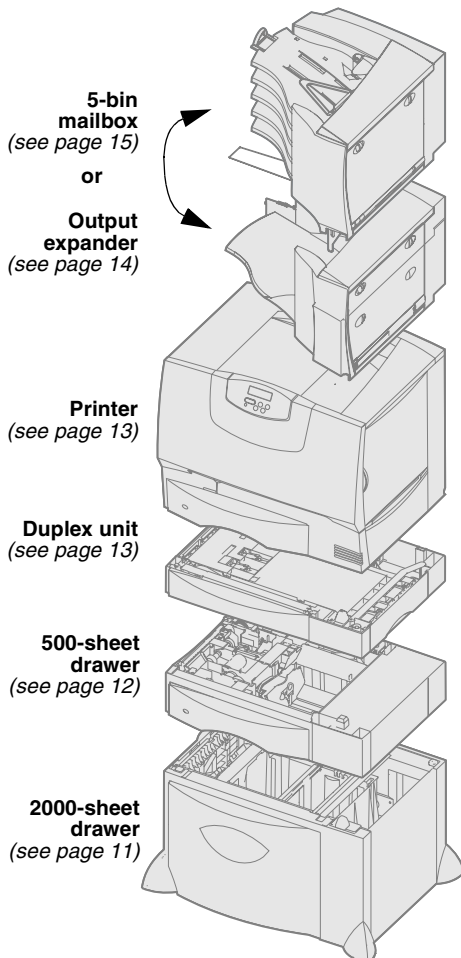
- (1) Printer with one 500-sheet tray
- (2) Four print cartridges (preinstalled)
- (3) *Setup Guide* with a publications CD
- (4) Drivers CD
- (5) Power cord

If any items are missing or damaged, contact the place you purchased your printer for assistance.

Save the carton and packing materials in case you need to repack the printer.

Step 4: Set up the printer and paper handling options

Printer models



You can purchase several different options for your printer. Not all options are available for all printers. Refer to the publications CD for more information.

If you purchased a multifunction printer (MFP) that copies, faxes, and scans, refer to the documentation that came with the device to see if furniture or other hardware needs to be set up first. If you purchased a finisher to go with your printer, refer to the documentation that came with the finisher for information about setting it up with the printer.

Printer setup

Note: Be sure to set up the items in the order listed in the table.

If you only purchased a base printer with no options, follow the directions under “Positioning the printer” on page 13.

Use the following table to locate the instructions you need to set up your printer and any paper handling options you may have purchased.

Topic	Go to page...
Installing a 2000-sheet drawer	11
Installing a 500-sheet drawer	12
Installing a duplex unit	13
Positioning the printer	13
Installing an output expander	14
Installing a 5-bin mailbox	15

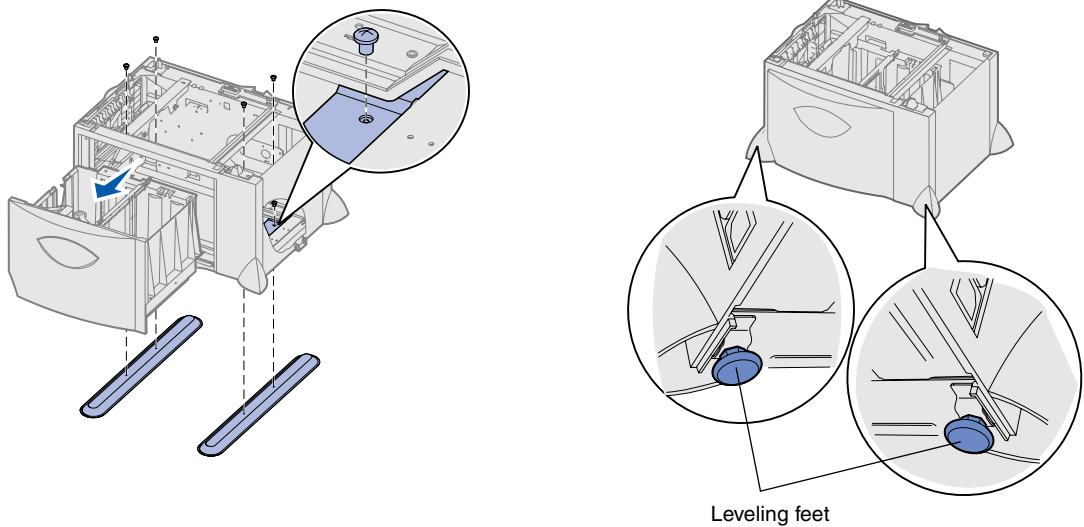
Installing a 2000-sheet drawer

Warning: If you have an optional duplex unit and a 2000-sheet drawer, you must install a 500-sheet drawer between the duplex unit and the 2000-sheet drawer.

Your printer supports one optional 2000-sheet drawer.

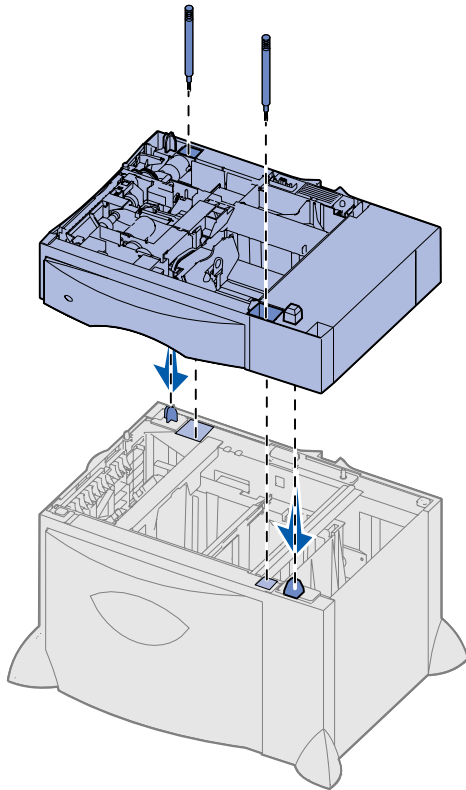
- 1 Unpack the 2000-sheet drawer and remove any packing material.
- 2 Place the drawer in the location you have chosen for your printer.
- 3 If you are installing a 500-sheet drawer on top of the 2000-sheet drawer, attach the stabilizing bars:
 - a Place the two stabilizing bars on the ground, narrow side up.
 - b Lower the 2000-sheet drawer onto the bars, making sure you align the holes in the drawer with the holes in the bars.
 - c Screw the bars into place using four screws (two screws for each bar).
- 4 Adjust the four leveling feet on the bottom of the drawer, if necessary.
- 5 Continue with “Installing a 500-sheet drawer” on page 12 or “Positioning the printer” on page 13.

Note: You will install the power cord for the 2000-sheet drawer later.



Installing a 500-sheet drawer

Warning: If you have an optional duplex unit and a 2000-sheet drawer, you must install a 500-sheet drawer between the duplex unit and the 2000-sheet drawer.



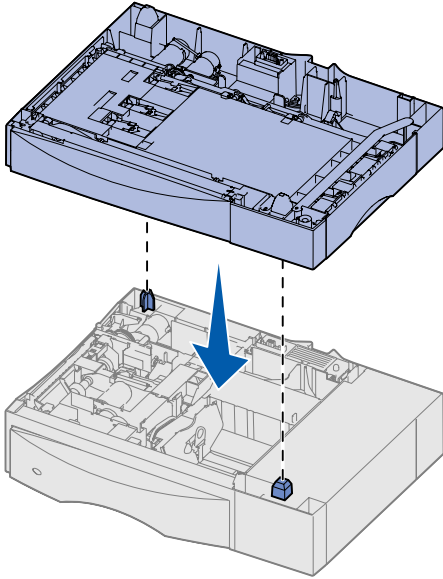
Your printer supports up to three additional 500-sheet drawers. However, if you install a 2000-sheet drawer, you can only add one additional 500-sheet drawer.

- 1** Unpack the 500-sheet drawer and remove any packing material.
- 2** Place the drawer in the location you have chosen for your printer or install it on another drawer:
 - a** Align the holes in the 500-sheet drawer with the positioning posts on the lower drawer.
 - b** Lower the 500-sheet drawer into place. Make sure it is seated securely on the other drawer.
- 3** If you are installing a 500-sheet drawer on top of a 2000-sheet drawer, secure them with stabilizing screws.
 - a** Insert the screws through the holes next to the positioning posts on the 500-sheet drawer.
 - b** Hand-tighten the screws.

Even when fully inserted, the screws allow some space between the drawers.
- 4** Install another 500-sheet drawer, or continue with “Installing a duplex unit” on page 13 or “Positioning the printer” on page 13.

Installing a duplex unit

Warning: If you have an optional duplex unit and a 2000-sheet drawer, you must install a 500-sheet drawer between the duplex unit and the 2000-sheet drawer.



Your printer supports an optional duplex unit that lets you print on both sides of a sheet of paper.

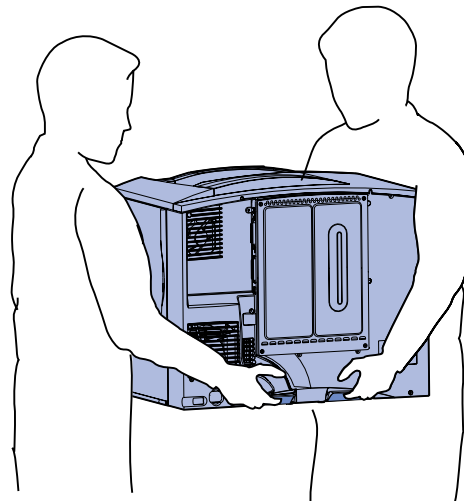
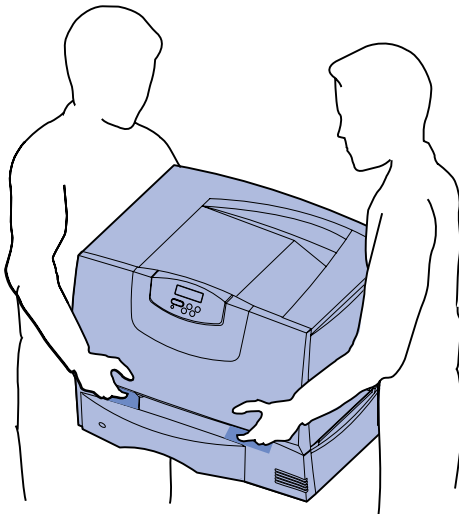
- 1 Unpack the duplex unit and remove any packing material.
- 2 Place the duplex unit in the location you have chosen for your printer or install it on a 500-sheet drawer:
 - a Align the positioning posts on the drawer with the holes in the duplex unit.
 - b Lower the duplex unit into place. Make sure it is seated securely on the drawer.
- 3 Continue with “Positioning the printer” on page 13.

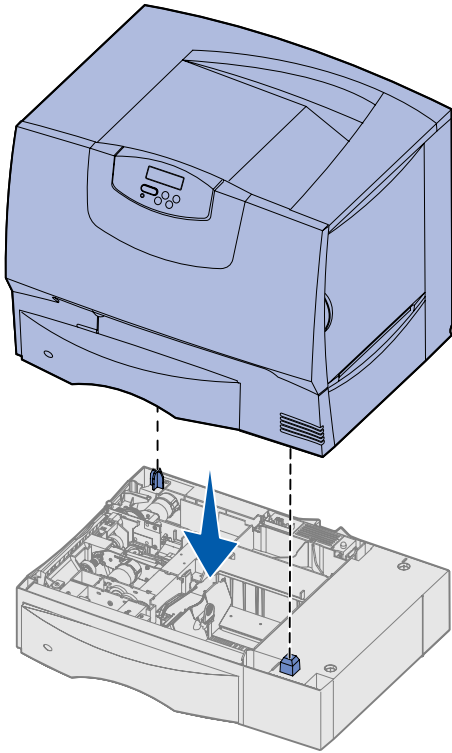
Positioning the printer

CAUTION: The printer weighs 47.7 kg (105 lb) and requires at least two people to lift it safely.

Once you have selected a location and set up any optional drawers or a duplex unit, you are ready to position the printer.

- 1 Have someone help you lift the printer out of the box.
Use the handholds on the front and rear of the printer.





- 2 Have someone help you place the printer in the location you have chosen.
If you are installing the printer on an optional drawer or a duplex unit, align the positioning posts on the option with the holes in the printer. Make sure the printer is seated securely on the option.
- 3 Remove any tape or packing material from the outside of the printer.
- 4 If you purchased an output expander or mailbox, continue with this chapter.
Otherwise, skip to Step 5: "Set up the print supplies" on page 16.

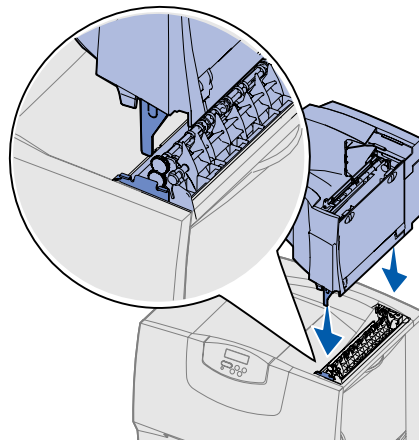
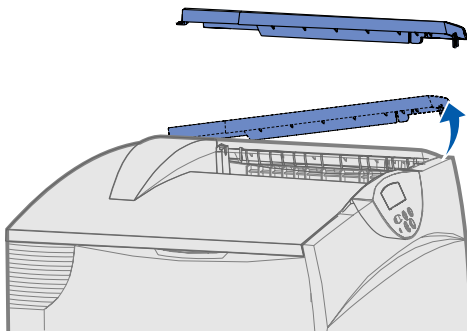
Installing an output expander

Note: After you unpack the output expander, install it immediately. Otherwise, the edges of the mounting brackets could damage tabletops or fabrics.

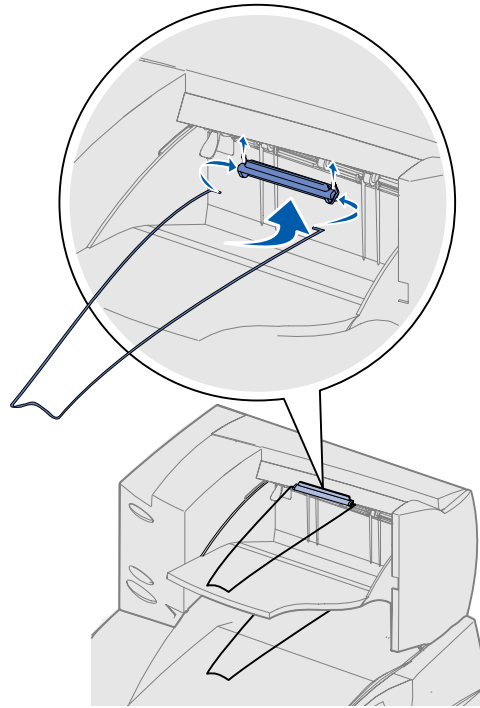
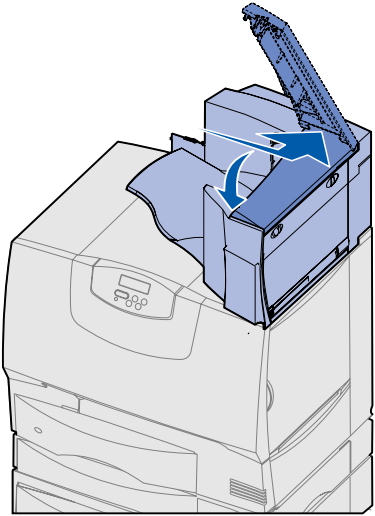
Warning: The output expander tray is designed to hold the weight of print material only. Do not use it as a shelf; excess weight may cause it to disengage from the output expander.

Your printer supports an optional output expander that lets you stack up to 650 sheets of paper in one bin.

- 1 Unpack the output expander and remove any packing material.
- 2 Remove the printer top cover.
- 3 Align the mounting brackets on the bottom of the output expander with the slots in the top of the printer.
- 4 Lower the output expander into place.



- 5 Attach the printer top cover to the output expander.
- 6 Attach the output expander paper bail to the top cover.
- 7 Go to Step 5: "Set up the print supplies" on page 16.



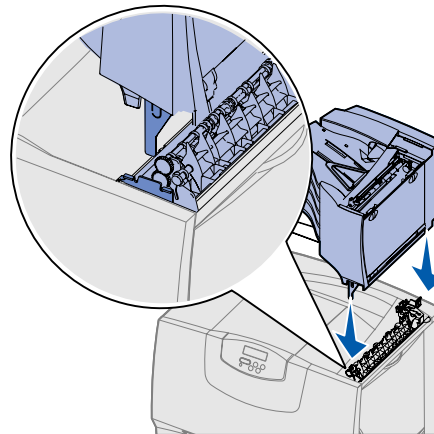
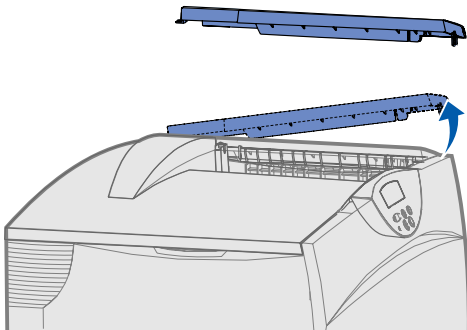
Installing a 5-bin mailbox

Note: After you unpack the mailbox, install it immediately. Otherwise, the edges of the mounting brackets could damage tabletops or fabrics.

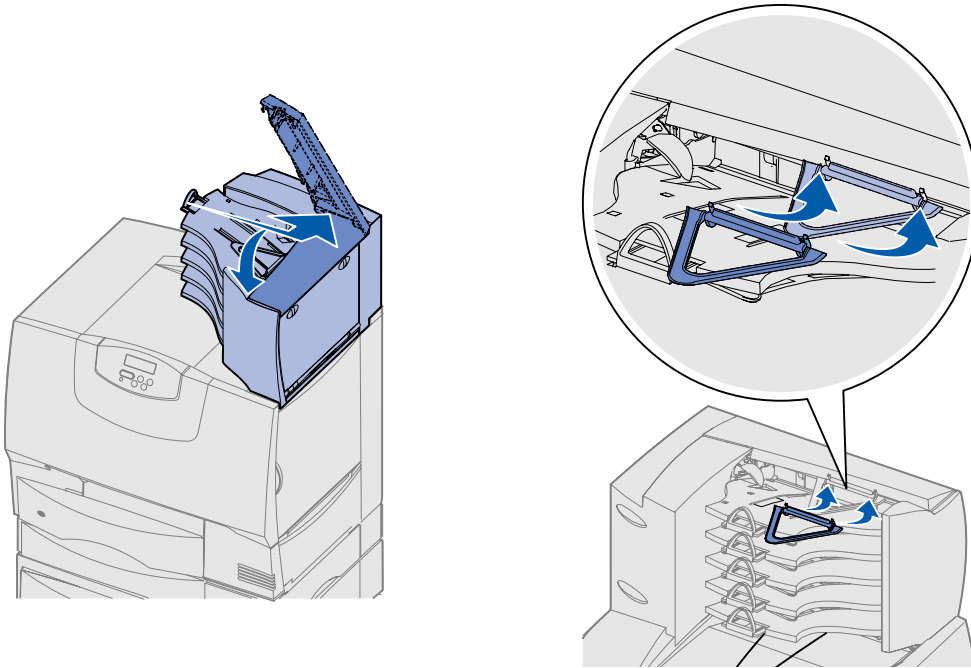
Warning: The mailbox is designed to hold the weight of print material only. Do not use it as a shelf; excess weight may damage it.

Your printer supports a 5-bin mailbox that lets you collate and stack up to 500 sheets of paper.

- 1 Unpack the mailbox and remove any packing material.
- 2 Remove the printer top cover.
- 3 Align the mounting brackets on the bottom of the mailbox with the slots in the top of the printer.
- 4 Lower the mailbox into place.



- 5 Attach the printer top cover to the mailbox.
- 6 Attach the mailbox paper bail to the top cover.



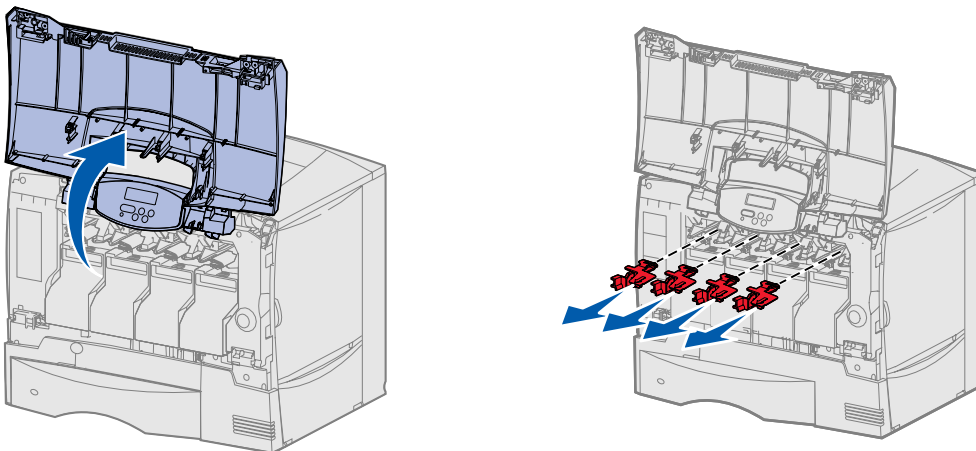
Step 5: Set up the print supplies

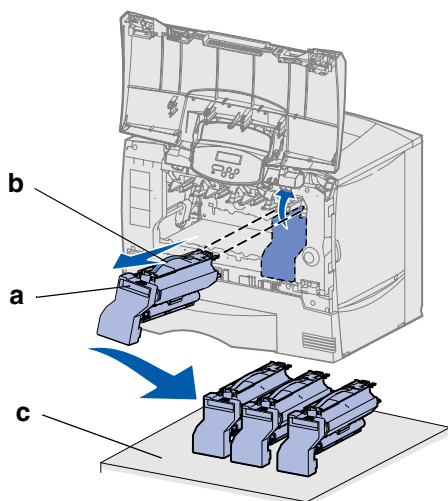
Warning: Be sure to remove all packing materials or the printer may be damaged.

This step describes how to prepare the print cartridges and remove the packing materials inside the printer.

Setting up the print cartridges

- 1 Open the printer front cover.
- 2 Remove the packing material on top of the cartridges.





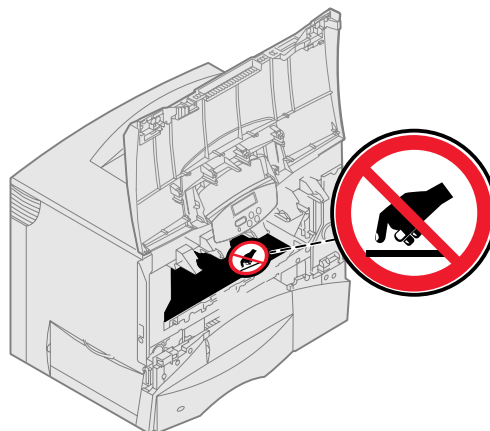
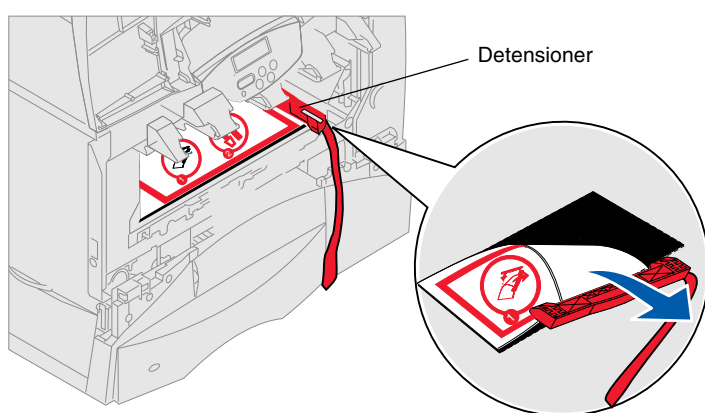
3 Remove the print cartridges. For each cartridge:

- a** Pull up on the handhold.
- b** Pull the cartridge straight out and use the handle to lift it off the guides.
- c** Set the cartridge on a firm, flat, clean surface in the upright position.

Warning: Do not touch the image transfer unit belt with your fingers.

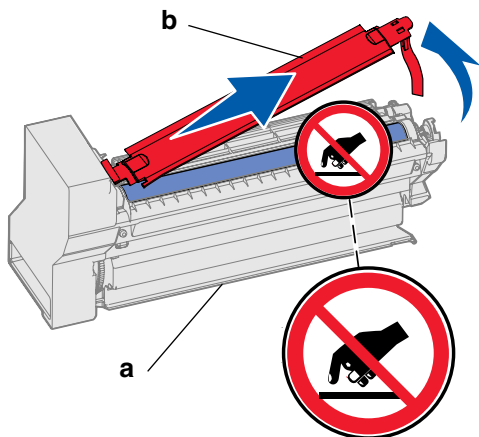
4 Remove the packing material from the image transfer unit belt:

- a** Grasp the detensioner located on the right side on the inside of the machine.
- b** Gently but firmly pull up on the detensioner and the attached sheet, then remove both items from the printer.



5 Reinstall the print cartridges. For each cartridge:

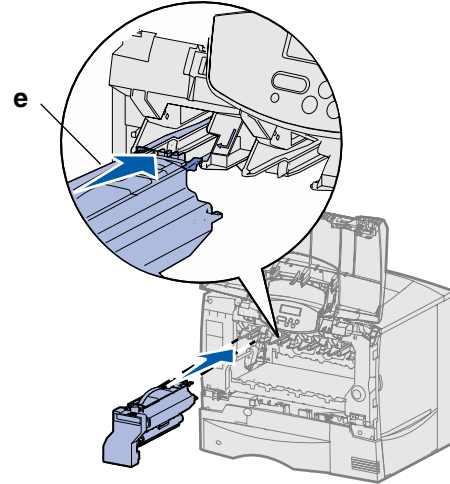
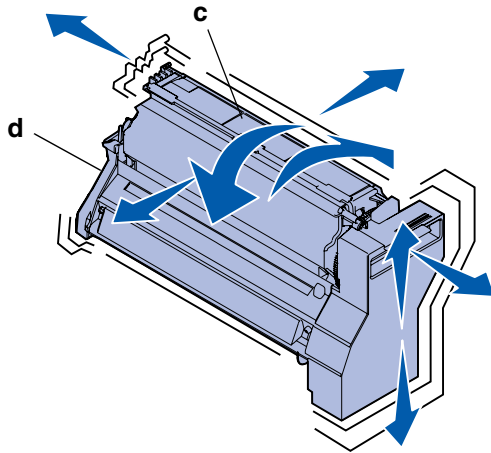
- a** Turn the cartridge over so the handle is on the bottom.
- b** Remove the red plastic packing material from the photoconductor drum. Discard the packing material.



Warning: Failure to remove the packing material from the print cartridges damages the printer.

Warning: Do not touch the photoconductor drum on the bottom of the print cartridge.

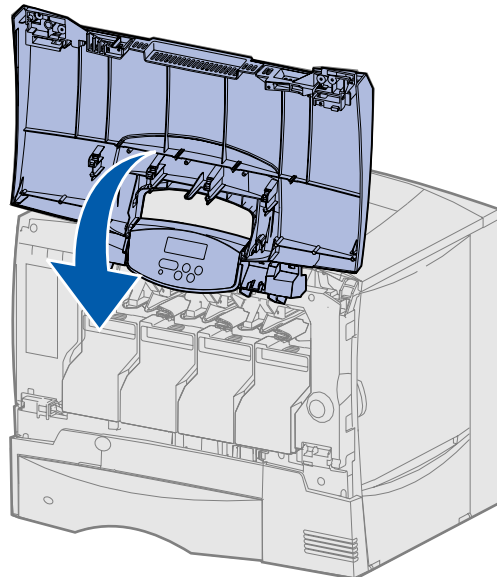
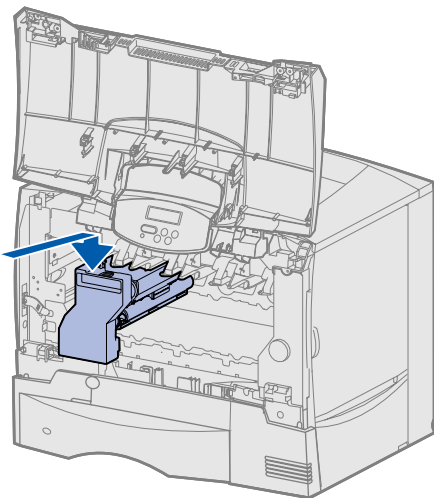
- c** Turn the cartridge so the handle is on the top.
 - d** Rotate the cartridge in all directions to distribute the toner.
 - e** Holding the cartridge by the handle, rest the spokes on the cartridge as shown.
- Be sure to match the cartridge color with the colored label in the printer.



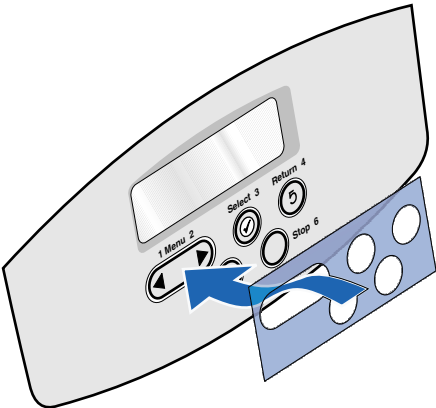
- f** Slide the cartridge in as far as it will go.
The cartridge lowers into place.

6 Close the front cover.

Warning: If the front cover does not close completely, reopen the cover and press in firmly on the cartridges to make sure they are fully seated.



Attaching an operator panel overlay



If English is not your preferred language and your printer shipped with an adhesive operator panel overlay, attach the overlay that has the appropriately translated button names:

- 1 Locate the overlay packaged with your printer.
- 2 Peel the protective backing off the overlay.
- 3 Align the holes in the overlay with the buttons on the operator panel, and then press it into place.
- 4 Peel the protective covering away from the overlay.

Refer to the *User's Guide* on the publications CD for instructions on changing the language of the text displayed on the operator panel.

What do I do next?

Task	Go to page...
Install memory, firmware, or option cards	19
Load paper	26

Step 6: Install memory, firmware, or option cards

Warning: If you are installing memory or option cards sometime after setting up the printer, turn the printer off and unplug the power cord before continuing.

Note: You need a small Phillips screwdriver to remove the system board access cover and to install some of the cards.

If you do not have any memory, firmware, or option cards to install, skip this step and go to Step 7: "Load paper" on page 26.

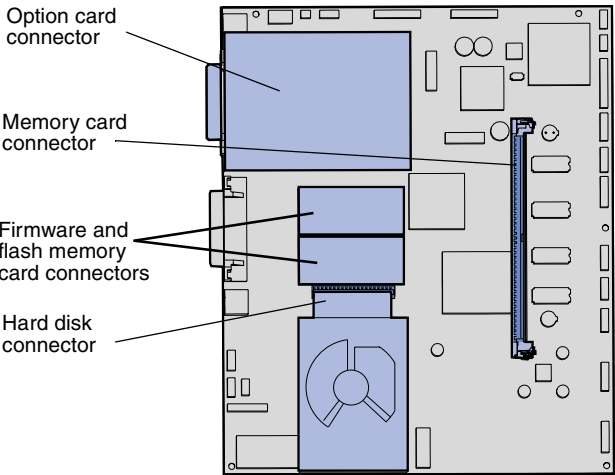
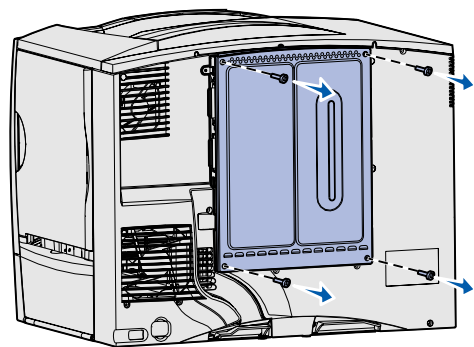
You can customize your printer memory capacity and connectivity by adding optional cards.

The instructions in this section help you install any of the following:

- Memory cards
 - Printer memory
- Firmware cards
 - Additional functionality
 - Internet capabilities
 - Flash memory
- Option cards
 - Hard disk with adapter card
 - MarkNet™ internal print servers (also called internal network adapters or INAs)
 - Serial Interface Card
 - Parallel 1284-B Interface Card

Removing the system board access cover

- 1 Locate the access cover on the back of the printer.
- 2 Remove the four access cover screws (two at top, two at bottom).
- 3 Remove the access cover.
- 4 Use the illustration to locate the connector for the card you want to install.



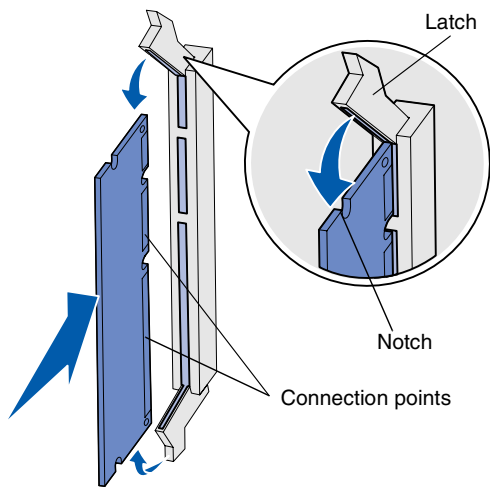
- 5 Use the following table to locate the instructions you need.

To install a...	Go to page...
Memory card	21
Firmware card	22
Hard disk	23
Option card	24

Installing a memory card

Note: Some memory options offered for other printers cannot be used with your printer. Refer to the publications CD for memory specifications.

Warning: Memory cards are easily damaged by static electricity. Touch something metal on the printer before you touch a card.



Follow the instructions in this section to install a printer memory card. Memory cards must have 168-pin connectors.

- 1 Remove the system board access cover (see page 20).
- 2 Unpack the memory card.
Avoid touching the connection points along the edge of the card. Save the packaging.
- 3 Push open the latches on both ends of the memory connector.
- 4 Align the notches on the bottom of the card with the notches on the connector.
- 5 Push the memory card firmly into the connector until the latches on either end of the connector *snap* into place.
It may require some force to fully seat the card.
- 6 Make sure each latch fits over the notch on the end of the card.

What do I do now?

Task	Go to page...
Installing a firmware card	22
Installing a hard disk	23
Installing an option card	24
Replacing the system board access cover	25

Installing a firmware card

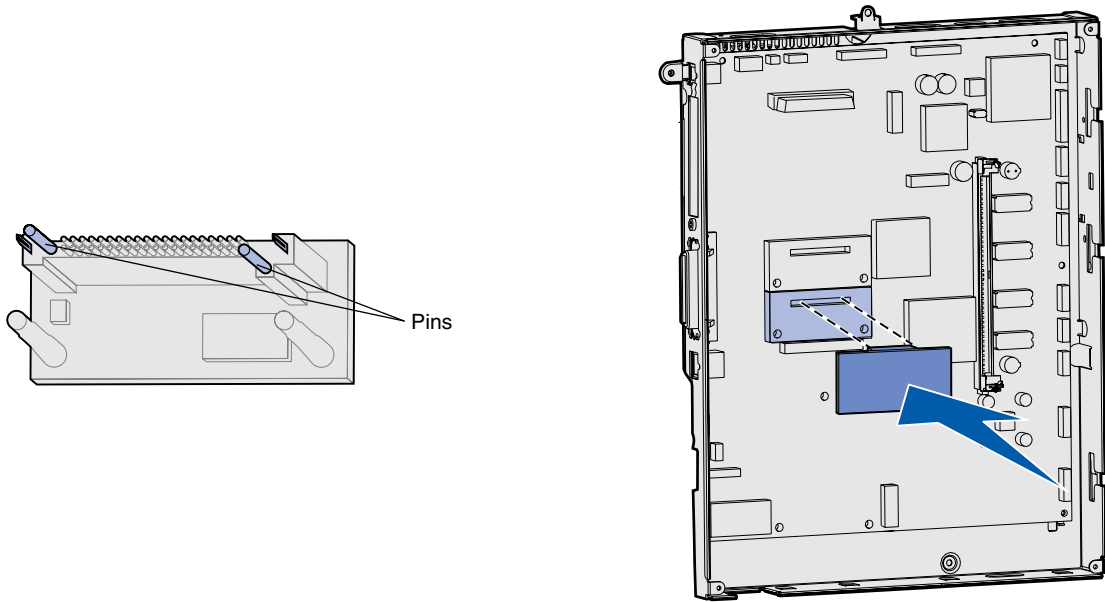
Note: Firmware and flash memory cards offered for other printers cannot be used with your printer.

Warning: Firmware and flash memory cards are easily damaged by static electricity. Touch something metal on the printer before you touch a card.

Follow the instructions in this section to install an optional firmware or flash memory card.

Only one of each type of card is supported.

- 1 Remove the system board access cover (see page 20).
- 2 Unpack the card.
Avoid touching the metal pins on the bottom of the card. Save the packaging.
- 3 Holding the card by its sides, align the pins on the card with the holes on the system board.
- 4 Push the card firmly into place.
The entire length of the connector on the card must touch the system board.
Be careful not to damage the card connectors.



What do I do now?

Task	Go to page...
Installing a hard disk	23
Installing an option card	24
Replacing the system board access cover	25

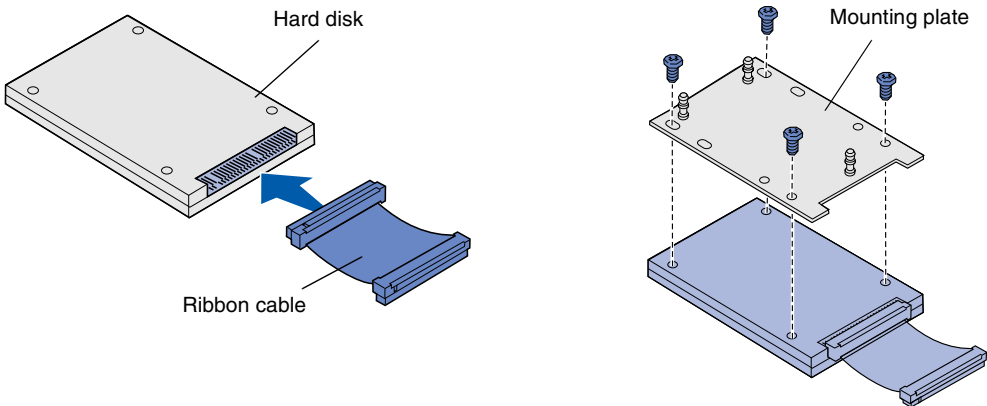
Installing a hard disk

Warning: Hard disks are easily damaged by static electricity. Touch something metal on the printer before you touch a disk.

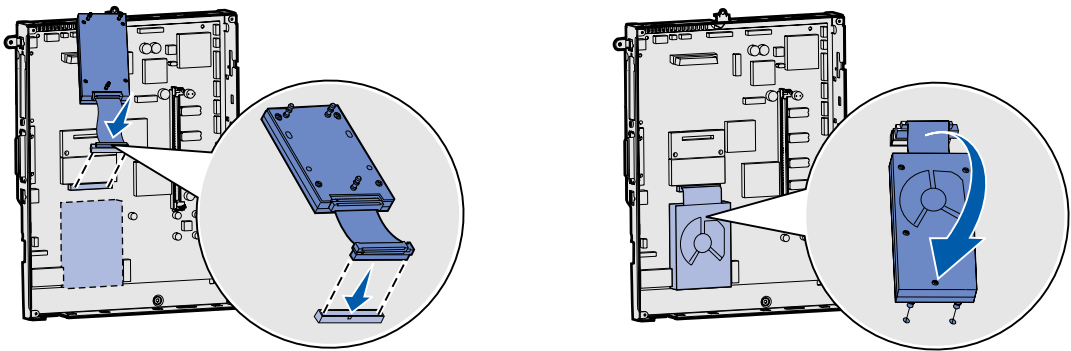
Follow the instructions in this section to install an optional hard disk. You need a small Phillips screwdriver to attach the hard disk to the mounting plate.

If an option card has been installed, you may need to remove it before installing the hard disk.

- 1 Remove the system board access cover (see page 20).
- 2 Remove the mounting plate, hard disk, ribbon cable, and attachment screws from the package.
- 3 Align the ribbon cable connector with the connector pins on the hard disk.
- 4 Attach the ribbon cable to the hard disk.
- 5 Align the screw holes on the mounting plate with the holes in the hard disk.
- 6 Secure the mounting plate to the hard disk with the screws.



- 7 Press the ribbon cable connector into the connector on the system board.
- 8 Flip the hard disk over, and then press the three posts on the mounting plate into the holes on the system board. The hard disk *snaps* into place.



What do I do now?

Task	Go to page...
Installing an option card	24
Replacing the system board access cover	25

Installing an option card

Your printer has one expansion card slot that supports a number of option cards. The following table describes their function.

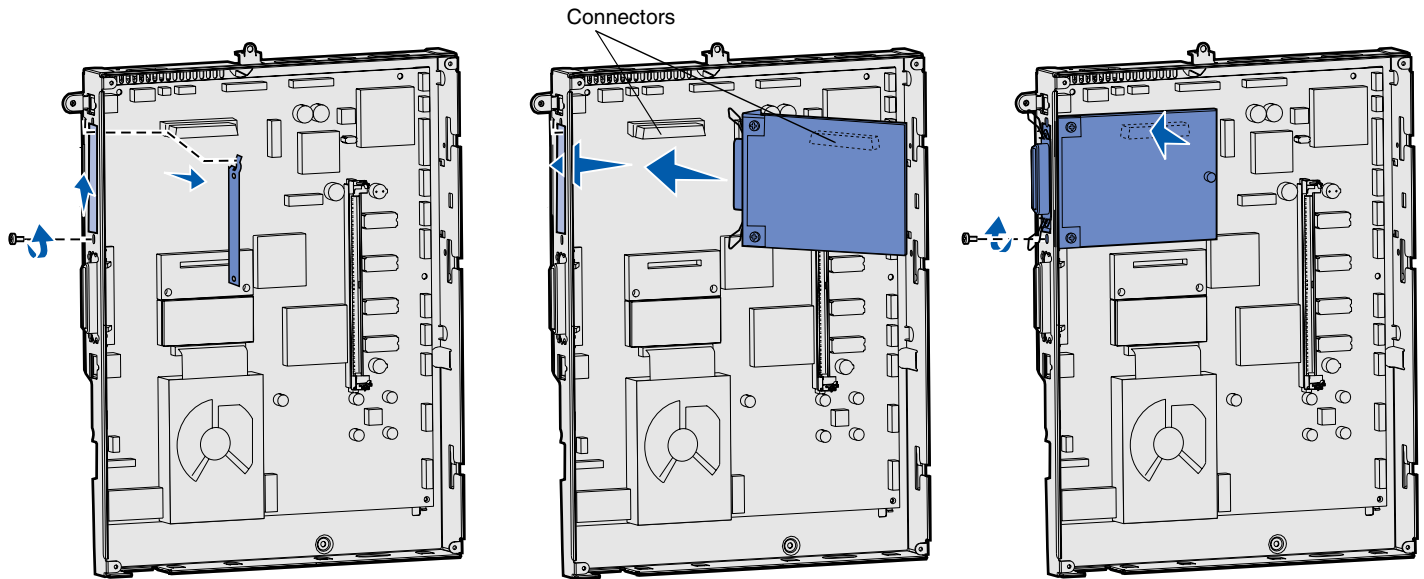
Card	Function
MarkNet internal print server	Adds an Ethernet or Token-Ring port so you can connect your printer to a network.
Parallel 1284-B Interface Card	Adds a parallel port.
Serial Interface Card	Adds a serial port.

Note: The network version of this printer ships with an Ethernet print server already installed.

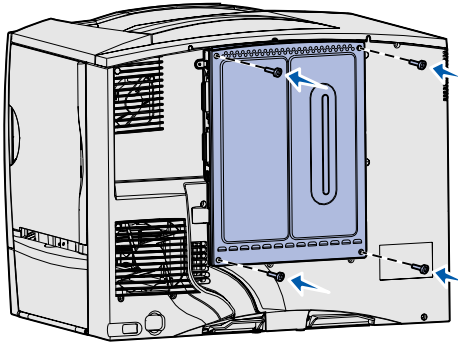
Warning: Option cards are easily damaged by static electricity. Touch something metal on the printer before you touch an option card.

You need a small Phillips screwdriver to install these options.

- 1 Remove the system board access cover (see page 20).
- 2 Remove the screw from the metal plate that covers the connector slot, and then lift the plate off.
Save the screw.
- 3 Unpack the option card.
Save the packing materials.
- 4 Align the connector on the option card with the connector on the system board.
The cable connectors on the side of the option card must fit through the connector slot.
- 5 Push the option card firmly into the option card connector.
- 6 Secure the card to the system board with the screw.



Replacing the system board access cover

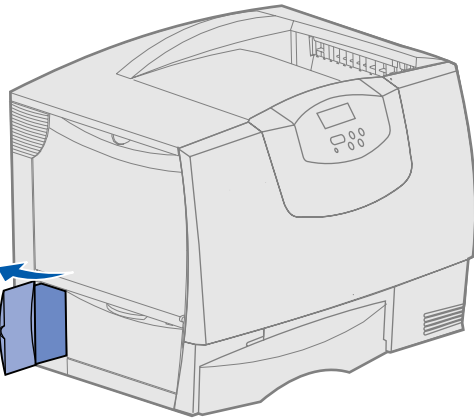


After you have finished installing cards on the printer system board, you must replace the system board access cover.

- 1 Align the slots at the top of the access cover with the screws near the top of the printer.
- 2 Slide the cover up under the top cover lip as far as it will go, and then tighten the screws at the top of the cover.
- 3 Insert and tighten the four screws to the bottom of the cover.

If you installed a firmware card in your printer, see the following section for information about applying the Option Added label.

Applying the Option Added label



The Option Added label alerts service personnel that additional options have been installed in your printer.

To apply the label:

- 1 Remove the backing from the label.
- 2 Place the label next to the printer model and serial number label.

Step 7: Load paper

Note: When loading specialty media such as transparencies or card stock, refer to the *User's Guide* on the publications CD.

The following table lists page numbers where you can find loading instructions for the standard and optional trays, as well as for the multipurpose feeder.

Source	Paper sizes supported	Paper types supported	Capacity	Go to page...
500-sheet trays	Letter, A4, A5, Legal, Executive, JIS B5, Folio ^a , Statement ^a , Universal ^{b,c}	Paper, transparencies, labels, card stock	<ul style="list-style-type: none"> 500 sheets of 20 lb paper^e 350 transparencies^e 200 sheets of labels or card stock^{d,e} 	26
2000-sheet tray	Letter, A4, A5, Legal, Executive, JIS B5	Paper	<ul style="list-style-type: none"> 2000 sheets of 20 lb paper^e 	27
Multipurpose feeder	Letter, A4, A5, Legal, Executive, JIS B5, Folio, Statement, Universal ^{b,c}	Paper, transparencies, labels, card stock	<ul style="list-style-type: none"> 100 sheets of 20 lb paper^e 75 transparencies^e 40 sheets of labels or card stock^{d,e} 	29
	7¼, 9, 10, DL, C5, B5, other ^f	Envelopes	10 envelopes	

^a Supported as selected paper with tray size sensing turned off in the appropriate trays.

^b When selected, the page is formatted for 215.9 x 355.6 mm (8.5 x 14 in.) unless otherwise specified.

^c Load narrow media with the length in the feed direction (portrait).

^d If you print large quantities of labels or other glossy specialty media, you should purchase a web oiler field upgrade kit. Contact the place where you bought your printer for more information.

^e Capacity varies with media weight and construction. Refer to the *User's Guide* for more information.

^f Size can vary from 98.4 x 62 mm to 176 x 250 mm (3.87 x 6.38 in. to 6.93 x 9.84 in.).

Loading the 500-sheet trays

Warning: Never remove paper trays while a print job is printing. It could damage the tray or the printer.

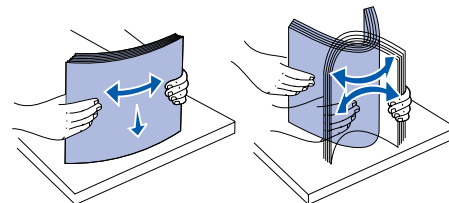
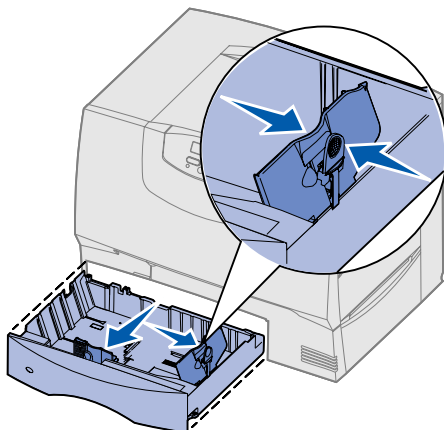
Follow these instructions to load any of the 500-sheet trays.

- 1 Remove the tray from the printer and place it on a flat, level surface.
- 2 Squeeze the front guide lever and slide the guide to the front of the tray.
- 3 Squeeze the side guide lever and slide the guide to the correct position for the size paper you are loading.

Icons along the back of the tray indicate paper sizes.

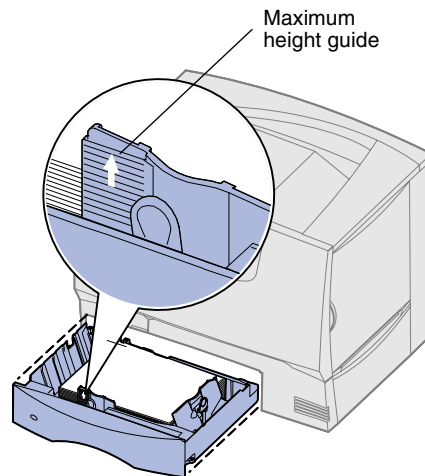
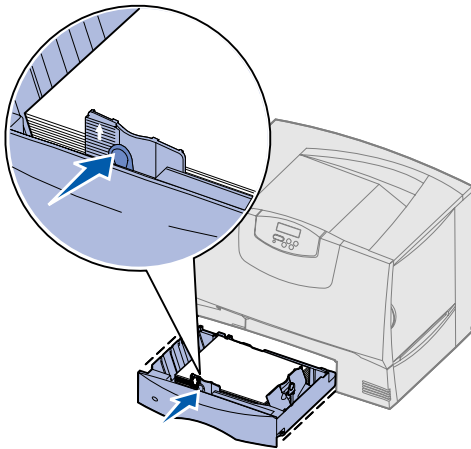
- 4 Flex the sheets back and forth to loosen them, and then fan them.

Do not fold or crease the paper. Straighten the edges of the stack on a level surface.



Note: Do not exceed the maximum stack height indicated on the front guide. Overfilling the tray may cause jams.

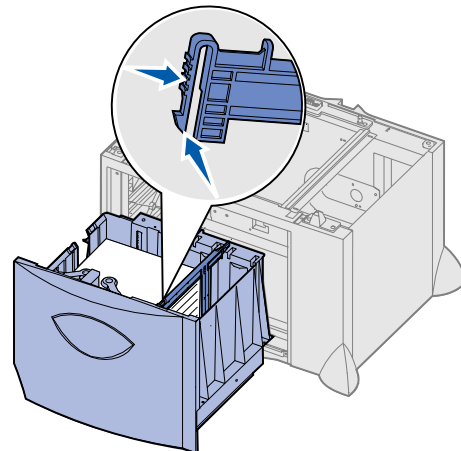
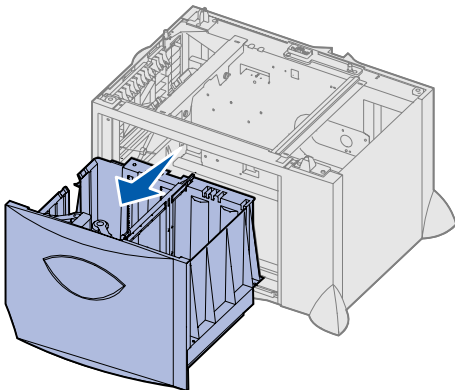
- 5 Place the paper against the back left corner of the tray, print side down.
Do not load bent or wrinkled paper.
- 6 Squeeze the front guide lever and slide the guide until it firmly touches the stack of paper.
- 7 Reinstall the tray.
Make sure the tray is pushed completely into the printer.



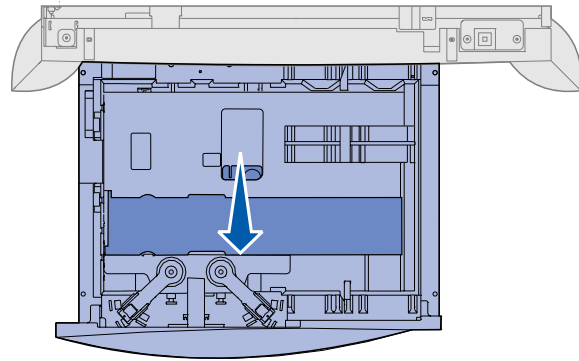
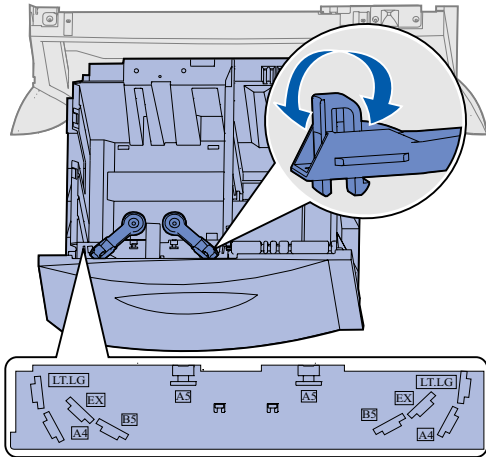
Loading the 2000-sheet tray

Follow these instructions to load a 2000-sheet tray. *Do not load any print media other than paper in the 2000-sheet tray.* See the table on page 26 for paper type and size information.

- 1 Pull open the tray.
- 2 Squeeze the side guide lever, lift the guide, and place it into the appropriate slot for the size paper you are loading.

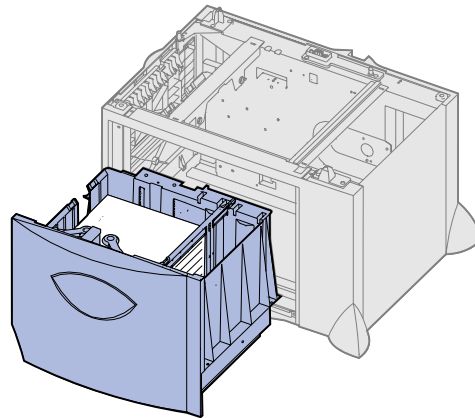
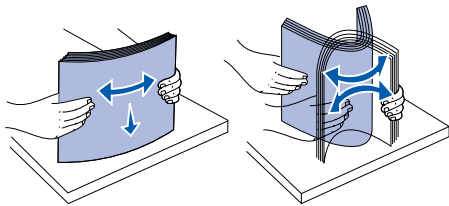


- 3 Squeeze the two front guide levers and slide the guide to the correct position for the size paper you are loading.
- 4 Slide the bottom support toward the front of the tray until it touches the front guide.



- 5 Flex the sheets back and forth to loosen them, and then fan them.
Do not fold or crease the paper. Straighten the edges of the stack on a level surface.
- 6 Place the paper against the back left corner of the tray, print side down.
Do not load bent or wrinkled paper.
- 7 Close the tray.
Make sure the tray is pushed completely into the printer.

Note: Do not exceed the maximum stack height. Overfilling the tray may cause jams.



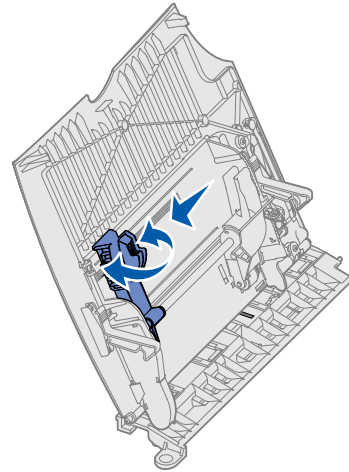
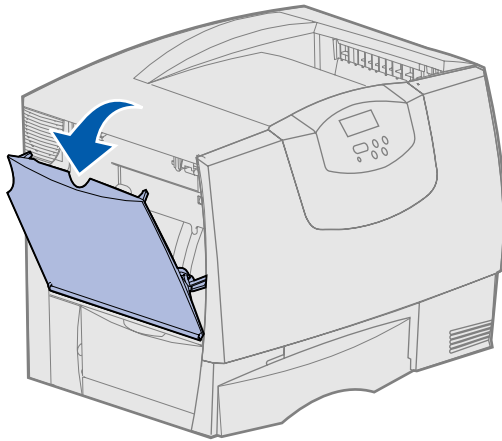
Loading the multipurpose feeder

You can use the multipurpose feeder one of two ways:

- **Paper tray**—As a paper tray, you can load paper in the feeder with the intention of leaving it in the feeder.
- **Manual bypass feeder**—As a manual bypass feeder, you send a print job to the feeder while specifying the type and size of media from your computer. The printer then prompts you to load the appropriate paper or specialty media before it prints.

Follow these instructions to load the multipurpose feeder.

- 1 Open the multipurpose feeder.
- 2 Squeeze the paper guide lever and slide the guide all the way toward the front of the printer.



- 3 Flex the sheets back and forth to loosen them, and then fan them.

Do not fold or crease the paper or specialty media. Straighten the edges of the stack on a level surface.

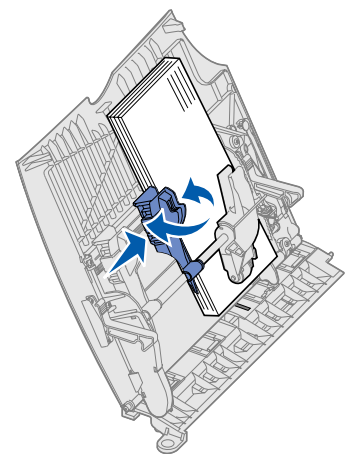
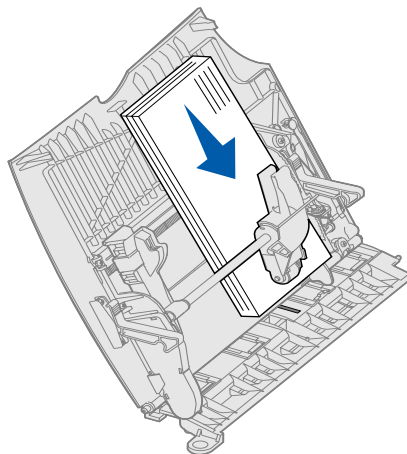
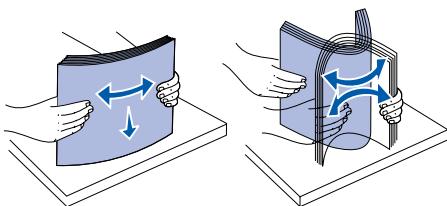
- 4 Arrange the stack of paper or specialty media correctly for the size, type, and print method you are using.

- 5 Place the paper or specialty media print side up along the left side of the multipurpose feeder, and then push it in as far as it will easily go.

Do not force the paper or specialty media.

- 6 Squeeze the paper guide lever and slide the guide until it lightly touches the side of the stack.

Note: Do not exceed the maximum stack height. Overfilling the feeder may cause jams.



Load paper

Step 8: Attach cables and power cord

CAUTION: Do not connect or disconnect a communication port, a telepoint, or any other connector during a lightning storm.

Cable types

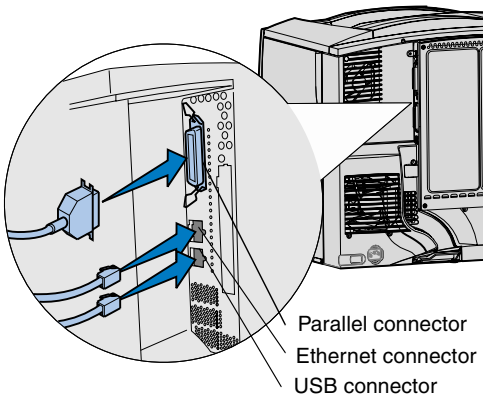
The printer can be attached to a network or directly to a computer to print locally.

Local		Network	
USB	Parallel	Serial	Ethernet
<p>A USB port is standard on all models.</p> <p>Windows 98 SE, Windows Me, Windows 2000, Windows XP, and Windows Server 2003 operating systems support USB connections. Some UNIX, Linux, and Macintosh computers also support USB connections. Refer to your computer operating system documentation to see if your system supports USB.</p>	<p>A parallel port is standard on the base model and is available on an option card for network models. See “Installing an option card” on page 24 for more information.</p>	<p>If you have installed an optional Serial Interface Card, you can locally attach the printer with a serial cable. With serial printing, data is transferred one bit at a time. Although serial printing is usually slower than parallel printing, it is the preferred option when there is a great deal of distance between your printer and computer or a parallel interface is not available.</p>	<p>A 10BaseT/100BaseTX Fast Ethernet port is standard on the network model.</p> <p>You can connect the printer to a LAN drop or hub using standard cabling that is compatible with your network. The printer automatically adjusts for the network speed.</p>

Fiber optic is a type of Ethernet, but uses different cables. Various fiber optic Ethernet ports are available on optional print server cards that can be installed in your printer. If you purchased a fiber optic option card, see “Installing an option card” on page 24 for hardware instructions.

802.11b wireless options: Your printer can be converted to wireless networking by using an optional 802.11b Wireless Print Adapter. This adapter is a piece of hardware that plugs into the Ethernet port on your printer. If you purchased this adapter for your printer, refer to the documentation that shipped with the adapter for installation and configuration.

Attaching cables



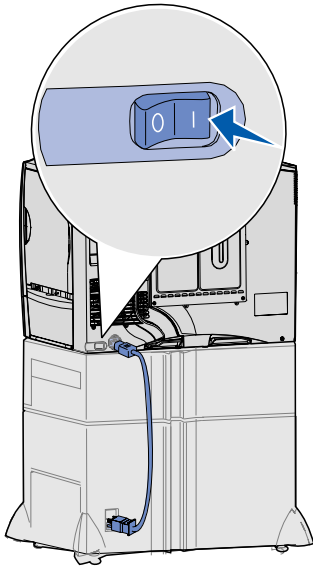
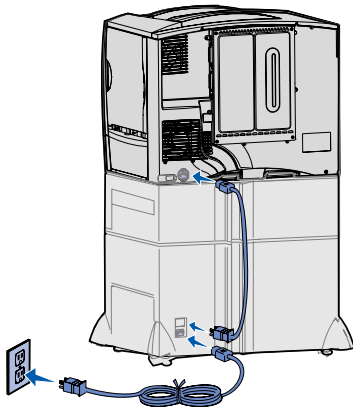
Note: Not all connections are available on your printer. Connection availability depends on your printer model and options.

- 1 Connect the printer to the computer using the appropriate cable for your configuration.

Not all connections are available on your printer. Connection availability depends on your printer model and options.

- Connect the printer to the computer using a USB cable.
- Connect the printer to the computer using a parallel cable.
- Connect the printer to the computer using an Ethernet cable.

A USB port requires a USB cable. Be sure to match the USB symbol on the cable to the USB symbol on the printer.



- 2 Plug one end of the printer power cord into the socket at the back of the printer and the other end into a properly grounded outlet.

If you installed an optional 2000-sheet drawer, plug the printer power jumper cord into the back of the drawer, and then plug the drawer power cord into a properly grounded outlet.

- 3 Turn on your printer.

After the printer completes its internal tests, the **Ready** message indicates the printer is ready to receive jobs.

If you see **Setup Required Press Go** instead of the **Ready** message, make sure you have removed all the packing materials. See "Set up the print supplies" on page 16 for detailed instructions. Press **Go** to clear the **Setup Required** message.

If you see **Remove Cartridge and ITU Packaging** instead of the **Ready** message, make sure you have removed all the packing materials. See "Set up the print supplies" on page 16 for detailed instructions. Press **Go** to clear the **Setup Required** message.

If you see a message other than **Ready** on the display, refer to the *User's Guide* on the publications CD for instructions on clearing the message. Look for information about understanding printer messages.

- 4 Go to "Install drivers for local printing" on page 7.

If you have a serial cable attached, launch the drivers CD and click **View Documentation** for instructions to set up for serial printing.

- 5 Turn on your computer and any other peripherals.
- 6 Continue with "Verify printer setup" on page 31.

Step 9: Verify printer setup

Note: This is also a good time to print *Help Menu pages* and *Clearing Jams information*. See "Printing Help Menu pages" on page 32.

Printing a menu settings page

Note: For more information about using the printer operator panel and changing menu settings, refer to the *User's Guide* on the publications CD.

To verify printer setup, you should print the menu settings pages. The menu settings pages list all the options you purchased or installed. If a feature or an option is not listed, you may need to check your installation.

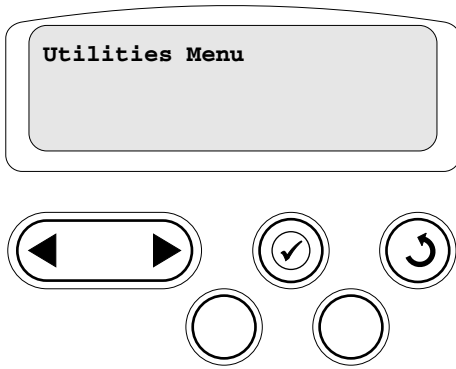
The network setup page provides information that is needed if you are attaching your printer to a network.

Print a menu settings page to review the default printer settings and to verify that printer options are installed correctly.

- 1 Make sure the printer is on.
- 2 Press **Menu** until you see **Utilities Menu**, and then press **Select**.
- 3 Press **Menu** until you see **Print Menus**, and then press **Select** to print the page.

The message **Printing Menus Settings** appears on the display.

Verify printer setup



- 4 Verify the options you installed are correctly listed under “Installed Features.”
If an option you installed is not listed, turn the printer off, unplug the power cord, and reinstall the option.
- 5 Verify the amount of memory installed is correctly listed under “Printer Information.”
- 6 Verify the paper trays are configured for the sizes and types of paper you loaded.

Printing a network setup page

Note: If an optional print server is installed, you see **Print Net1 Setup** on the display.

If the printer is attached to a network, print a network setup page to verify the network connection. This page also provides important information that helps you configure for network printing.

- 1 Make sure the printer is on.
- 2 Press **Menu** until you see **Utilities Menu**, and then press **Select**.
- 3 Press **Menu** until you see **Print Net Setup**, and then press **Select**. The network setup page prints and the printer returns to **Ready** status.
- 4 Check the first section on the network setup page and confirm that Status is “Connected.”

If Status is “Not Connected,” your LAN drop may not be active, or your network cable may be malfunctioning. Consult your network support person for a solution, and then print another network setup page to verify that you are connected to your network.

Printing Help Menu pages

Information about using the printer and clearing jams is included on the publications CD that shipped with your printer documentation. It is also stored in the printer memory.

We recommend you print this information and store it in a convenient location near the printer.

To print Help Menu information stored on the CD:

- 1 Launch the CD.
- 2 Click **Help Menu Pages**.
- 3 Print the documents.

To print Help Menu pages stored in the printer:

- 1 Make sure the printer is on.
- 2 On the operator panel, press **Menu** until you see **Help Menu**, and then press **Select**.
- 3 Press **Menu** until you see the topic you want to print, and then press **Select**.

Step 10: Configure for TCP/IP

If you have TCP/IP available on your network, we recommend that you assign an IP address to the printer.

Assigning a printer IP address

If your network is using DHCP, an IP address is automatically assigned after you connect the network cable to the printer.

- 1 Look for the address under the “TCP/IP” heading on the network setup page you printed in “Printing a network setup page” on page 32.
- 2 Go to “Verifying the IP settings” on page 33 and begin with step 2.

If your network is not using DHCP, then you must manually assign an IP address to the printer.

One of the easiest ways is to use the operator panel:

- 1 Press **Menu** until you see **Network Menu**, and then press **Select**.
- 2 Press **Menu** until you see **Standard Network**, and then press **Select**.
Standard Network appears if you purchased a printer with a network port on the printer system board. If you have a print server installed in the option card, you see **Network Option 1**.
- 3 Press **Menu** until you see **Std Net Setup** (or **Network 1 Setup**), and then press **Select**.
- 4 Press **Menu** until you see **TCP/IP**, and then press **Select**.
- 5 Press **Menu** until you see **Set IP Address**, and then press **Select**.
- 6 Change the address by pressing **Menu** to increase or decrease each number. Press **Select** to move to the next segment. Press **Select** when you are finished.
The message **Saved** appears briefly.
- 7 Press **Menu** until you see **Set IP Netmask**, and then press **Select**.
- 8 Repeat step 6 to set the IP Netmask.
- 9 Press **Menu** until you see **Set IP Gateway**, and then press **Select**.
- 10 Repeat step 6 to set the IP Gateway.
- 11 When you are finished, press **Go** to return the printer to the Ready state.

Verifying the IP settings

Note: On Windows computers, click **Start → Programs → Command prompt** (or **Accessories → Command prompt** if using Windows 2000).

- 1 Print another network setup page. Look under the “TCP/IP” heading and make sure the IP address, netmask, and gateway are what you expected. See “Printing a network setup page” on page 32 if you need help.
- 2 Ping the printer and verify that it responds. For example, at a command prompt on a network computer, type “ping” followed by the new printer IP address (for example, **192.168.0.11**).
If the printer is active on the network, you receive a reply.

Configuring for Pull Printing

If your printer has an optional TMImageQuickTM firmware card installed, you can configure for Pull Printing once an IP address is assigned to the printer.

For detailed configuration instructions, refer to the CD that shipped with the ImageQuick card.

Step 11: Install drivers for network printing

After you have assigned and verified the TCP/IP settings, you are ready to install the printer on each network computer.

Windows

In Windows environments, network printers can be configured for direct printing or shared printing. Both network printing methods require the installation of a printer driver and the creation of a network printer port.

Supported printer drivers

- Windows system printer driver
- Custom printer driver

System drivers are built into Windows operating systems. Custom drivers are available on the drivers CD.

Supported network printer ports

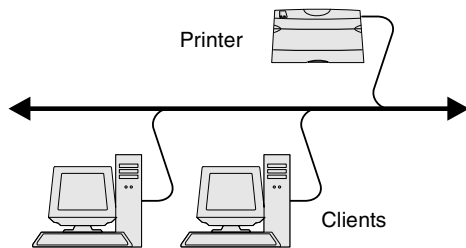
- Microsoft IP port—Windows NT 4.0, Windows 2000, Windows XP, and Windows Server 2003
- Printer network ports—Windows 95/98/Me, Windows NT 4.0, Windows 2000, Windows XP, and Windows Server 2003

For basic printer functionality, you can install a system printer driver and use a system network printer port, such as an LPR or a Standard TCP/IP port. The system printer driver and port let you maintain a consistent user interface for use with all the printers on your network. However, using a custom printer driver and network port provides enhanced functionality, such as printer status alerts.

Follow the steps for your printing configuration and operating system to configure your network printer:

Printing configuration	Operating system	Go to page...
Direct <ul style="list-style-type: none">• Printer is connected directly to the network using a network cable, such as Ethernet.• Printer drivers are typically installed on each network computer.	Windows 98 SE, Windows Me, Windows 2000, Windows XP, or Windows Server 2003	35
	Windows 95, Windows 98 (First Edition) Windows NT 4.0	35
Shared <ul style="list-style-type: none">• Printer is connected to one of the computers on the network using a local cable, such as USB.• Printer drivers are installed on the computer attached to the printer.• During driver installation, the printer is set up to be “shared” so that other network computers can print to it.	Windows NT 4.0, Windows 2000, Windows XP, or Windows Server 2003	35

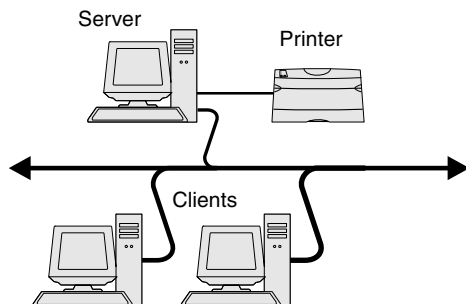
Direct printing using Windows 98 SE, Windows Me, Windows NT 4.0, Windows 2000, Windows XP, and Windows Server 2003



Note: If you don't know the IP address, print a network setup page and look under the TCP/IP heading. For help, see "Printing a network setup page" on page 32 and "Verifying the IP settings" on page 33.

Direct printing using Windows 95 and Windows 98 (first edition)

Shared printing from a server using Windows NT 4.0, Windows 2000, Windows XP, and Windows Server 2003



To install a custom printer driver and network port:

- 1 Launch the drivers CD.
- 2 Click **Install Software**.
- 3 Click **Printer and Software**.
- 4 Click **Agree** to accept the license agreement.
- 5 Select **Suggested**, and then click **Next**.
- 6 Select **Network Attached**, and then click **Next**.
- 7 Select your printer model from the list and then click **Next**.
- 8 Click **Add Port**.
- 9 Select **TCP/IP Network Port** and then enter the information to create the port.
 - a Enter a port name.
This can be any name that you associate with the printer, such as **Color1-lab4**. After the port is created, this name appears in the list of available ports.
 - b Enter the IP address in the text box.
If you don't know the IP address, print a network setup page and look under the TCP/IP heading. For information on printing a network setup page, see "Printing a network setup page" on page 32.
- 10 Click **Finish** to complete the installation.
- 11 Print a test page to verify printer installation.

For information about Windows 95 and Windows 98 (first edition) direct printing, refer to the User's Guide on the publications CD.

After connecting your printer to a Windows NT 4.0, Windows 2000, Windows XP, or Windows Server 2003 computer (which will act as a server), follow these steps to configure your network printer for shared printing:

- 1 Install a custom printer driver.
 - a Launch the drivers CD.
 - b Click **Install Software**.
 - c Click **Printer and Software**.
 - d Click **Agree** to accept the license agreement.
 - e Select **Suggested**, and then click **Next**.
 - f Click **Local Attached**, then click **Next**.
A printer object is created in the printers folder of your computer. You will share the printer in step 2 "Share the printer on the network."
 - g Click **Finish** to complete the installation.
 - h Print a test page to verify printer installation.
- 2 Share the printer on the network.
 - a Click **Start** → **Settings** → **Printers**.
 - b Select the printer you just created.
 - c Click **File** → **Sharing**.
 - d Check the **Shared** check box, and then enter a name in the **Shared Name** text box.
 - e In the Alternate Drivers section, select the operating systems of all the network clients that will print to the printer.

Note: If you are missing files, you may be prompted to provide the server operating system CD.

Install the printer driver (or subset) on network clients

Note: This method is usually the best use of system resources. The server handles driver modifications and the print job processing. This lets network clients return to applications much faster.

Note: If this is a new printer, you may be prompted to install a printer driver. If no system driver is available, then you will need to provide a path to available drivers.

Macintosh

Note: A PostScript Printer Description (PPD) file provides detailed information about the capabilities of a printer to your UNIX or Macintosh computers.

f Click **OK**.

g Check the following to make sure the printer was successfully shared.

- The printer object in the Printers folder now has a shared indicator. For example, in Windows NT 4.0, a hand appears under the printer object.
- Browse Network Neighborhood. Find the host name of the server and look for the shared name you assigned to the printer.

Using the point and print method

With this method, a subset of driver information is copied from the server to the client computer. This is just enough information to send a print job to the printer.

- 1** On the Windows desktop of the client computer, double-click **Network Neighborhood**.
- 2** Locate the host name of the server computer, and then double-click the host name.
- 3** Right-click the shared printer name, and then click **Install**.
- 4** Wait a few minutes for the driver information to be copied from the server computer to the client computer, and for a new printer object to be added to the Printers folder. The time this takes varies based on network traffic and other factors.
- 5** Close Network Neighborhood.
- 6** Print a test page to verify printer installation.

Using the peer-to-peer method

With this method, the printer driver is fully installed on each client computer. Network clients retain control of driver modifications. The client computer handles the print job processing.

- 1** Click **Start → Settings → Printers**.
- 2** Click **Add Printer** to launch the Add Printer wizard.
- 3** Click **Network Print Server**.
- 4** Select the network printer from the Shared printers list. If the printer is not listed, enter the path of the printer in the text box.

The path will look similar to the following:
`\\<server host name>\<shared printer name>`

The server host name is the name of the server computer that identifies it to the network. The shared printer name is the name assigned during the server installation process.
- 5** Click **OK**.
- 6** Select whether you want this printer to be the default printer for the client, and then click **Finish**.
- 7** Print a test page to verify printer installation.

To print to a network printer, each Macintosh user must install a custom PostScript Printer Description (PPD) file and either create a desktop printer on the computer (Mac OS 8.6 to 9.x) or create a print queue in Print Center (Mac OS X).

Refer to the *User's Guide* on the publications CD for information to install Macintosh drivers and to create a desktop printer icon for Macintosh 8.6–9.x.

Mac OS X version 10.1.2 and later

Step 1: Install a custom PPD file

Note: A PPD file provides detailed information about the capabilities of a printer to your Macintosh computer.

- 1 Insert the drivers CD.
- 2 Double-click the installer package for your printer.
- 3 On the Authorization screen, choose **Click the lock to make changes**.
- 4 Enter your password, and then click **OK**.
- 5 Click **Continue** on the Welcome screen and again after you view the Readme file.
- 6 Click **Continue** after you view the license agreement, and then click **Agree** to accept the terms of the agreement.
- 7 Select a Destination, and then click **Continue**.
- 8 On the Easy Install screen, click **Install**. All the necessary software is installed on your computer.
- 9 Click **Close** when installation is complete.

Step 2: Create a print queue in Print Center or Printer Setup Utility

Note: If you don't know which zone or printer to select, look on the network setup page under the AppleTalk heading.

- 1 Open Finder, click **Applications**, and then click **Utilities**.
- 2 Double-click **Print Center** or **Printer Setup Utility**.
- 3 Choose **Add Printer** from the Printers menu.
- 4 Choose **AppleTalk** from the pop-up menu.
- 5 Select the AppleTalk zone from the list.
- 6 Select the new printer from the list, and then click **Add**.
- 7 Verify printer installation:
 - a Open Finder, click **Applications**, and then click **TextEdit**.
 - b Choose **Print** from the File menu.
 - c Choose **Summary** from the Print Panel menu.
 - If the PPD file displayed in the Summary window is correct for your printer, then printer setup is complete.
 - If the PPD file displayed in the Summary window is not correct for your printer, delete the printer from the printer list in Print Center or Printer Setup Utility and repeat "Step 1: Install a custom PPD file" on page 37.

Note: If you don't know which printer to select, look on the Network Setup page under the AppleTalk heading to find the default name of the printer.

Using IP Printing

Follow these steps to create a print queue using IP Printing. To create an AppleTalk print queue, see "Step 2: Create a print queue in Print Center or Printer Setup Utility" on page 37.

- 1 Open Finder, click **Applications**, and then click **Utilities**.
- 2 Double-click **Print Center** or **Printer Setup Utility**.
- 3 Choose **Add Printer** from the Printers menu.
- 4 Choose **IP Printing** from the pop-up menu.
- 5 Enter the IP address or the printer DNS name in the Printer's Address box.
- 6 Choose the printer manufacturer from the Printer Model pop-up menu.
- 7 Select the new printer from the list, and then click **Add**.
- 8 Verify printer installation:
 - a Open Finder, click **Applications**, and then click **TextEdit**.
 - b Choose **Print** from the File menu.
 - c Choose **Summary** from the Print Panel menu.
 - d Do one of the following:

- If the PPD file displayed in the Summary window is correct for your printer, then printer setup is complete.
- If the PPD file displayed in the Summary window is not correct for your printer, delete the printer from printer list in Print Center or Printer Setup Utility and repeat “Step 1: Install a custom PPD file” on page 37.

UNIX/Linux

Your printer supports both UNIX and Linux network environments.

For the latest information about installing a network printer in a UNIX or Linux environment, click **View Documentation** on the drivers CD.

NetWare

Your printer supports both Novell Distributed Print Services (NDPS) and regular queue-based NetWare environments. For the latest information about installing a network printer in a NetWare environment, launch the drivers CD and click **View Documentation**.

Step 12: Other sources of information

If you need more information after you have completed setup, refer to the other printer documentation.

Viewing and using the publications CD

Note: The publications CD is shipped inside the *Setup Guide*.

On the publications CD, you will find the *User's Guide*, *Setup Guide*, and copies of the printer Help Menu pages.

The publications CD provides information about loading paper, clearing error messages, ordering and replacing supplies, installing maintenance kits, and troubleshooting. It also provides general information for administrators.

You can also give the publications CD to a system administrator or the Help desk, or you can copy the entire contents of the CD (or just specific topics) to a shared network drive or intranet site.

Help Menu pages

Note: We strongly recommend that you print the Jam Clearance guide and keep it by the printer.

Help Menu pages are stored inside the printer. They provide information about loading print media, diagnosing and solving print problems, and clearing jams from the printer.

You can print the Help Menu Pages and clearing jams information and store it near the printer for easy access when needed. The following is a list of guides available from the Help Menu:

- | | | |
|------------------|--------------------|-----------------|
| • Printing Guide | • Connection Guide | • Jam Clearance |
| • Color Quality | • Help Guide | • Print Defects |
| • Print Quality | • Media Guide | • Moving Guide |

To print these pages:

- 1 On the operator panel, press **Menu** until you see **Help Menu**, and then press **Select**.
- 2 Press **Menu** until you see the topic you want to print, and then press **Select**.

Drivers CD

The drivers CD contains all the necessary files to get your printer up and running. It may also contain printer utilities, screen fonts, and additional documentation.

Congratulations!

You are now ready to use your new printer. Save this book if you anticipate purchasing printer options in the future.

Readers' Comments — We'd Like to Hear from You

Infoprint Color 1454 & 1464
Setup Guide

Publication No. S510-4059-00

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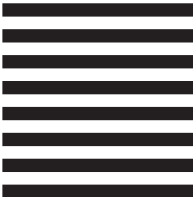
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